

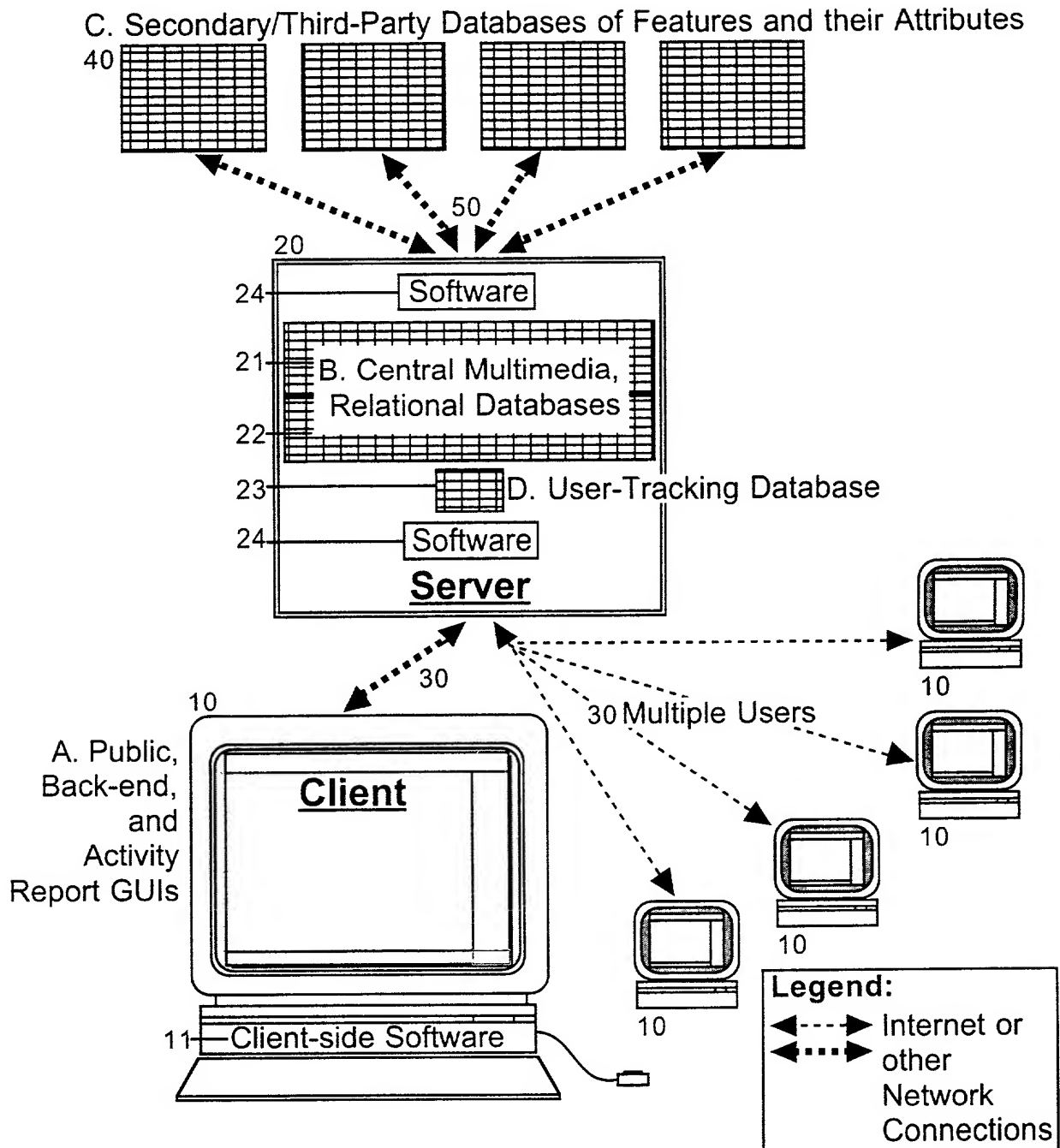
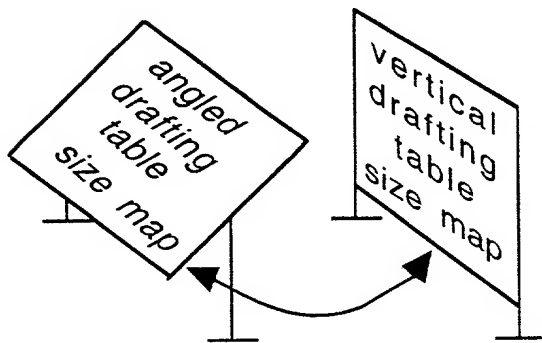
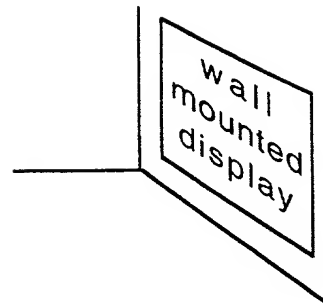
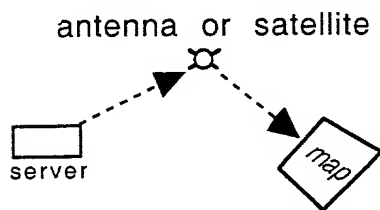
FIG. 1a System Environment

FIG. 1b Hardware Alternatives

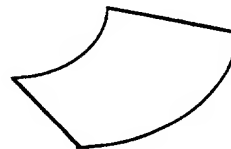
a. high-resolution, large-scale, flat map display for angled work surface or vertical viewing



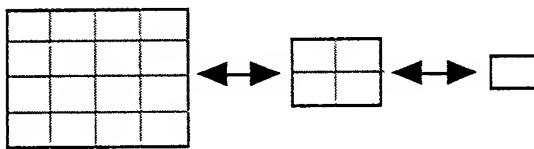
b. large-scale, wall-mounted display



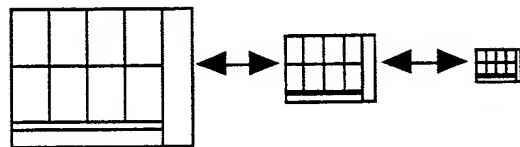
c. wireless, portable map and remote server



d. portable, flexible, roll-up, flat map display



e. portable, fold-up, flat map display



f. map expands and contracts as display is stretched or folded

**FIG. 2a System Components**

primary command and data flow  
between the client and the server

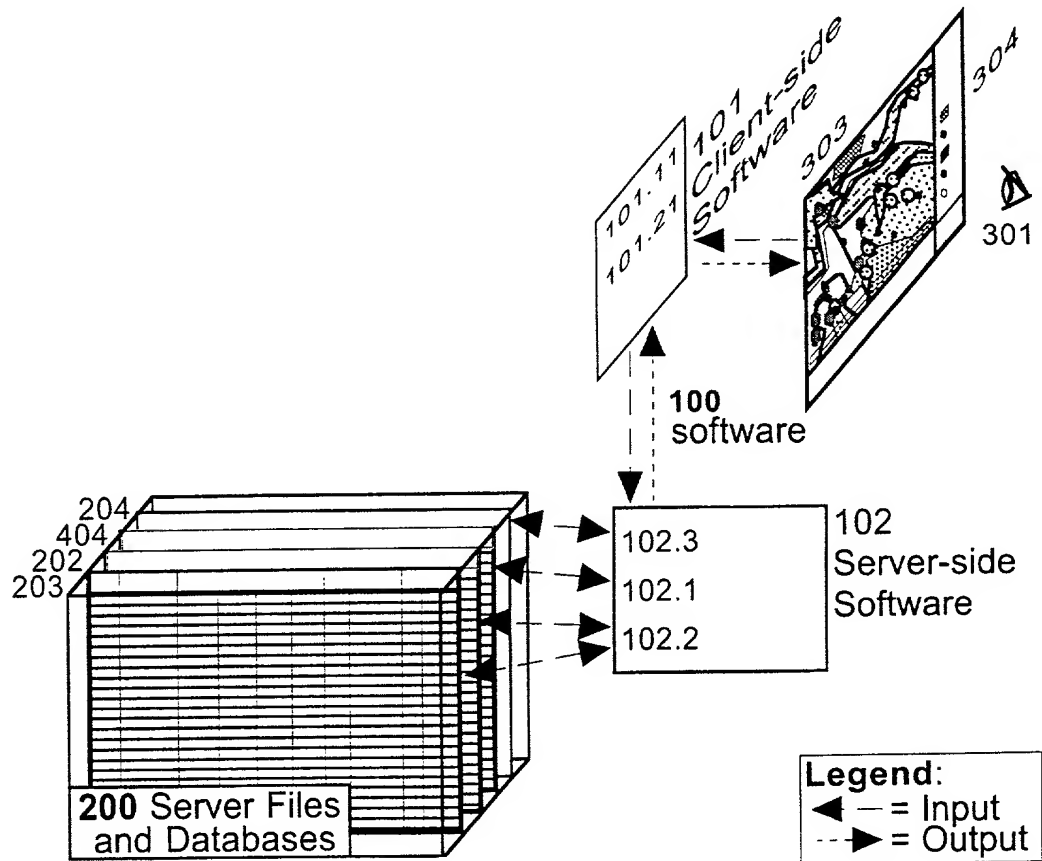


FIG. 2b System Components

system components and x,y,z slotting of GUI coordinate

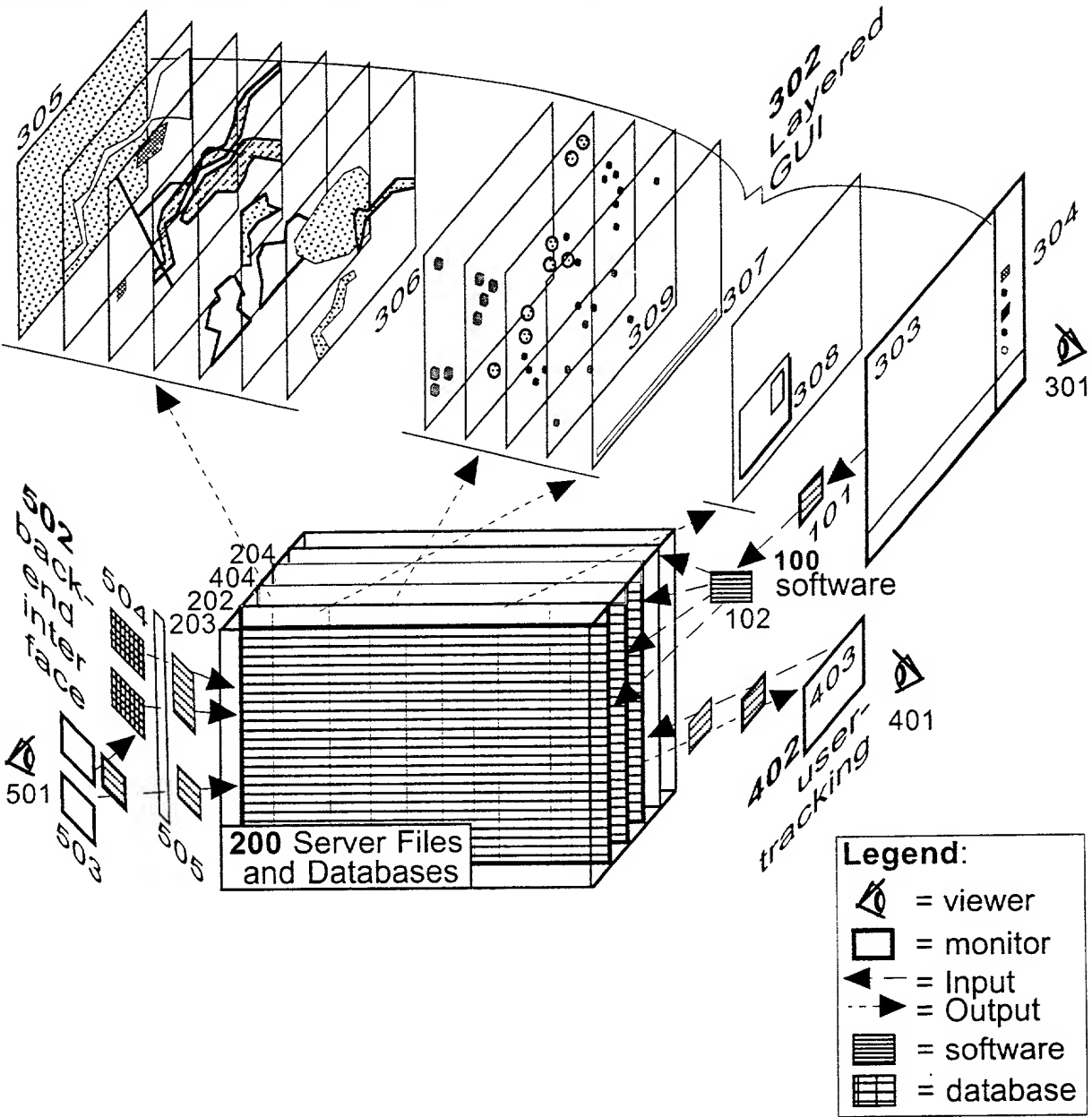


FIG. 2c System Components  
gridded slotting of GUI

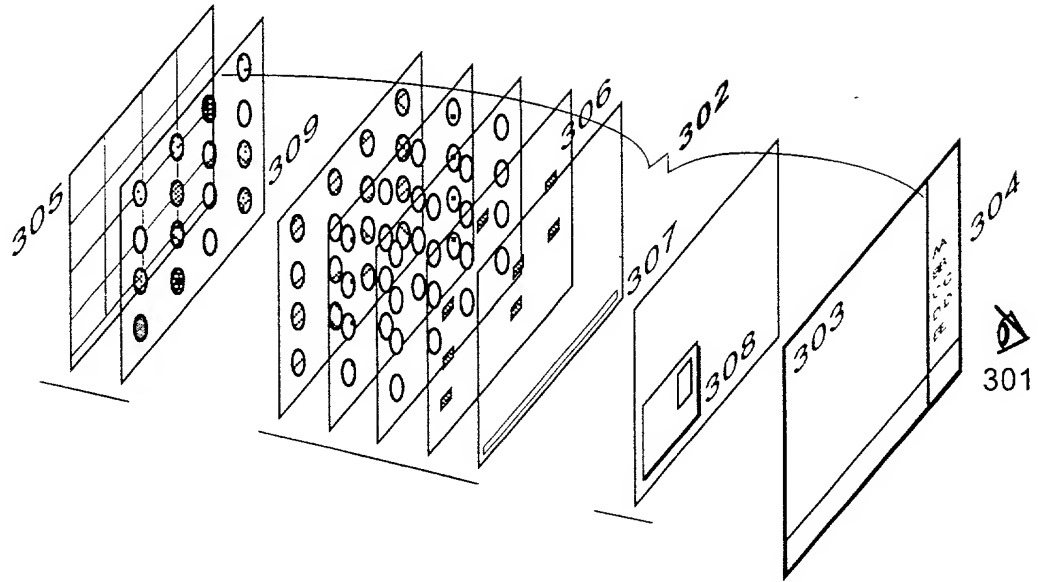
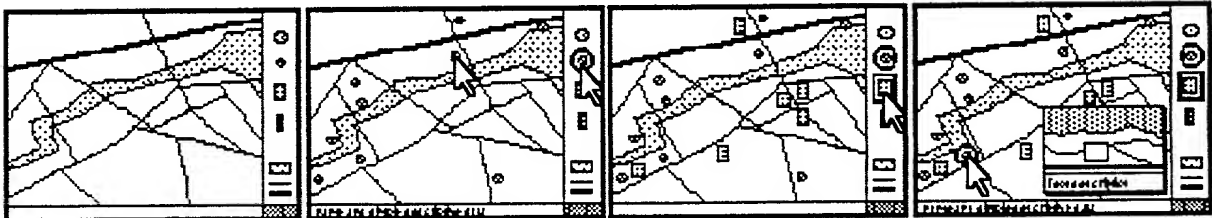
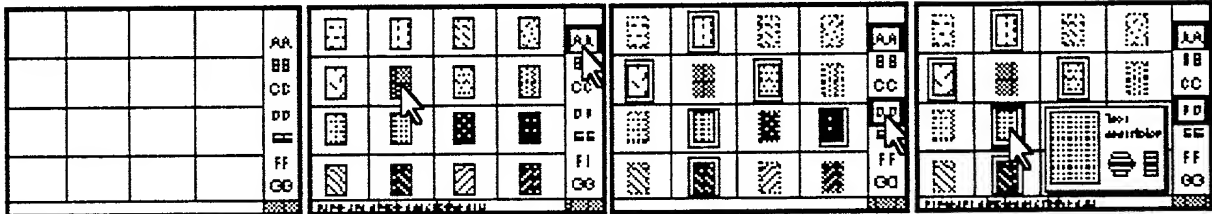
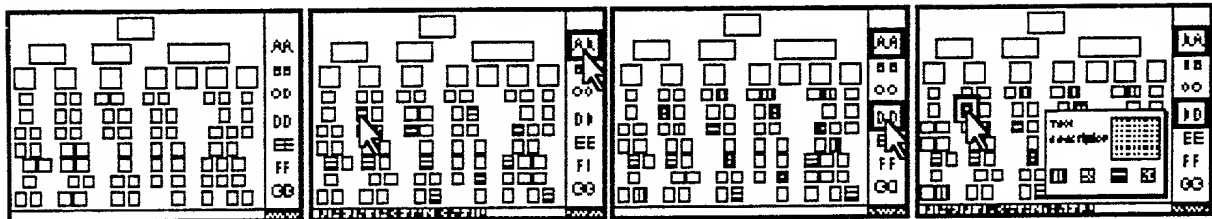


FIG. 3 Basic GUI Layouts and Input/Output

3a Layered Map Set -- using x,y,z coordinates



3b Slotted Map Set -- Grid



3c Slotted Map Set -- Chart

601 StartBase Map &  
Control Panel602 ViewFeatures  
Key click and  
mouseOver603 CompareFeatures  
Second key  
click604 ViewAnnotations  
Click on a map  
feature

FIG. 4 GUI/Database Operations

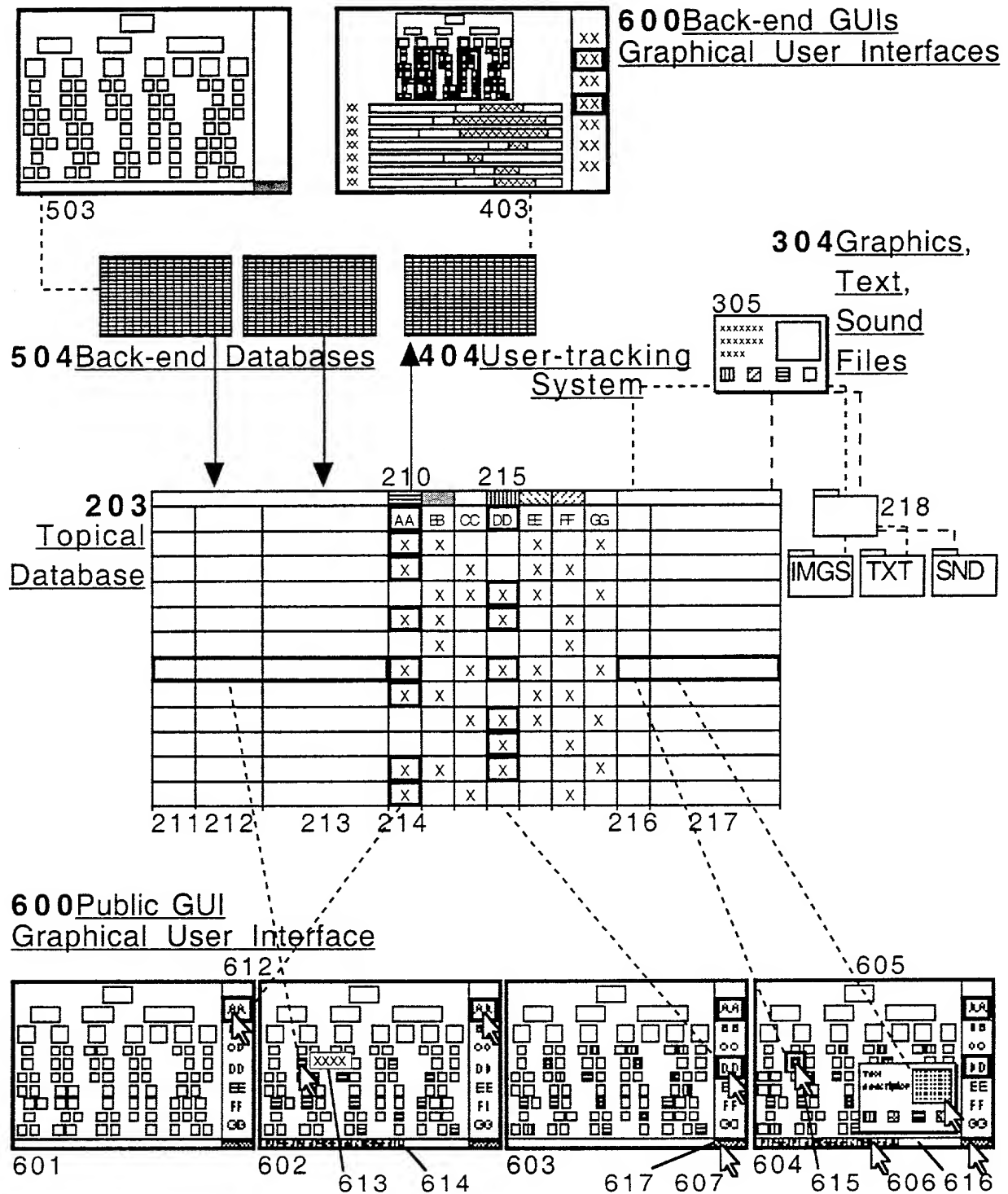


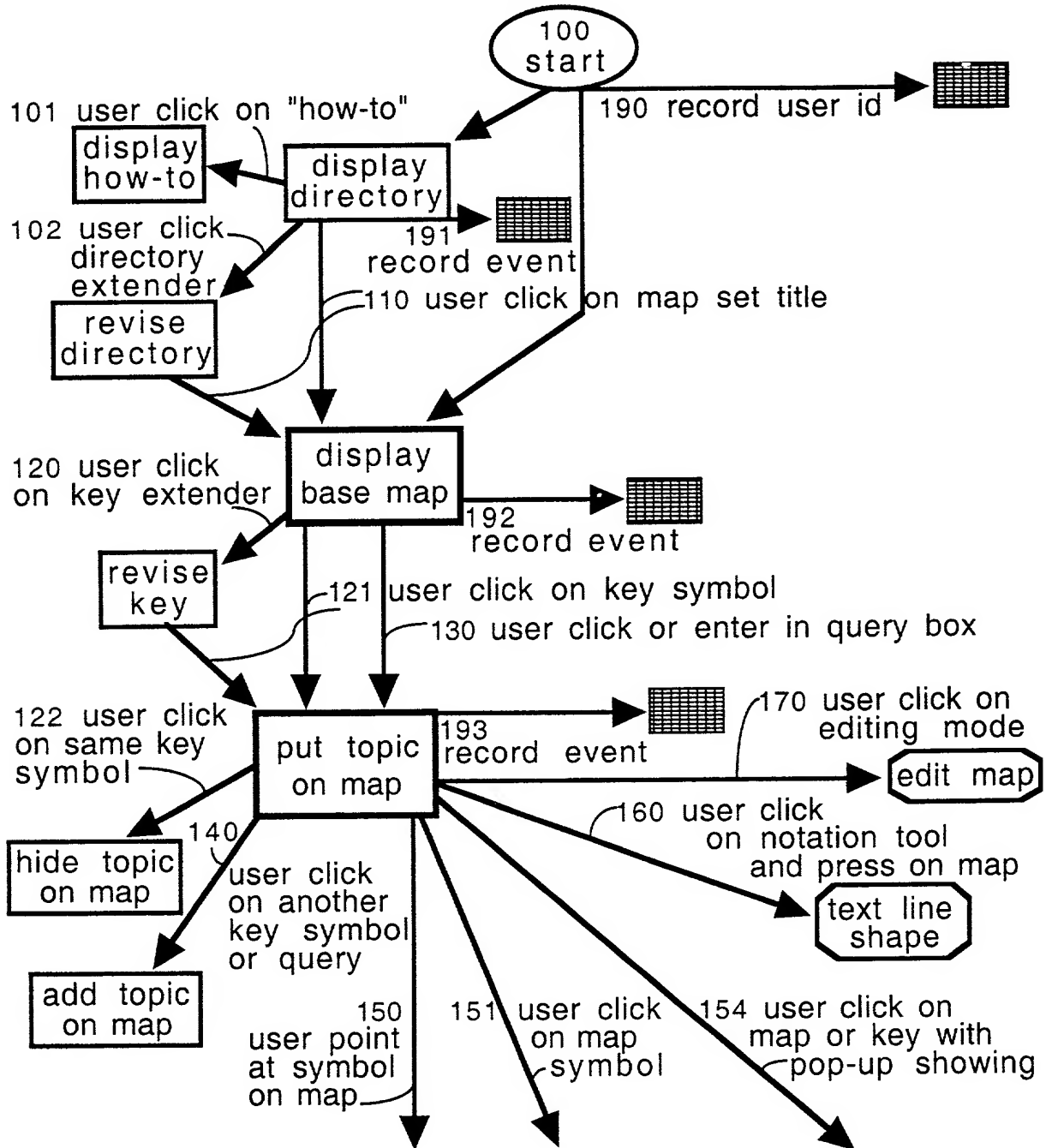
FIG. 5a Software Flow Diagram



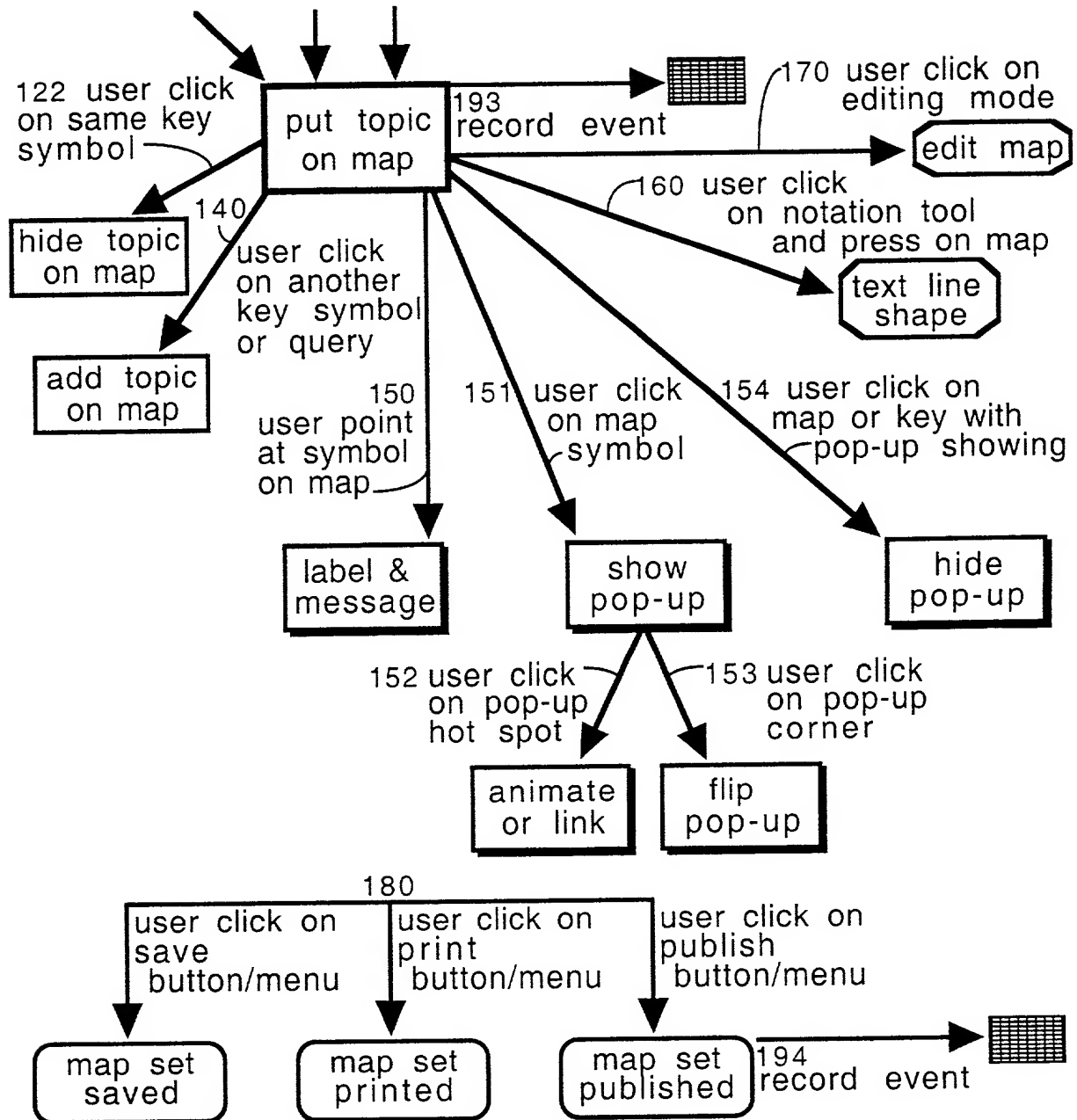

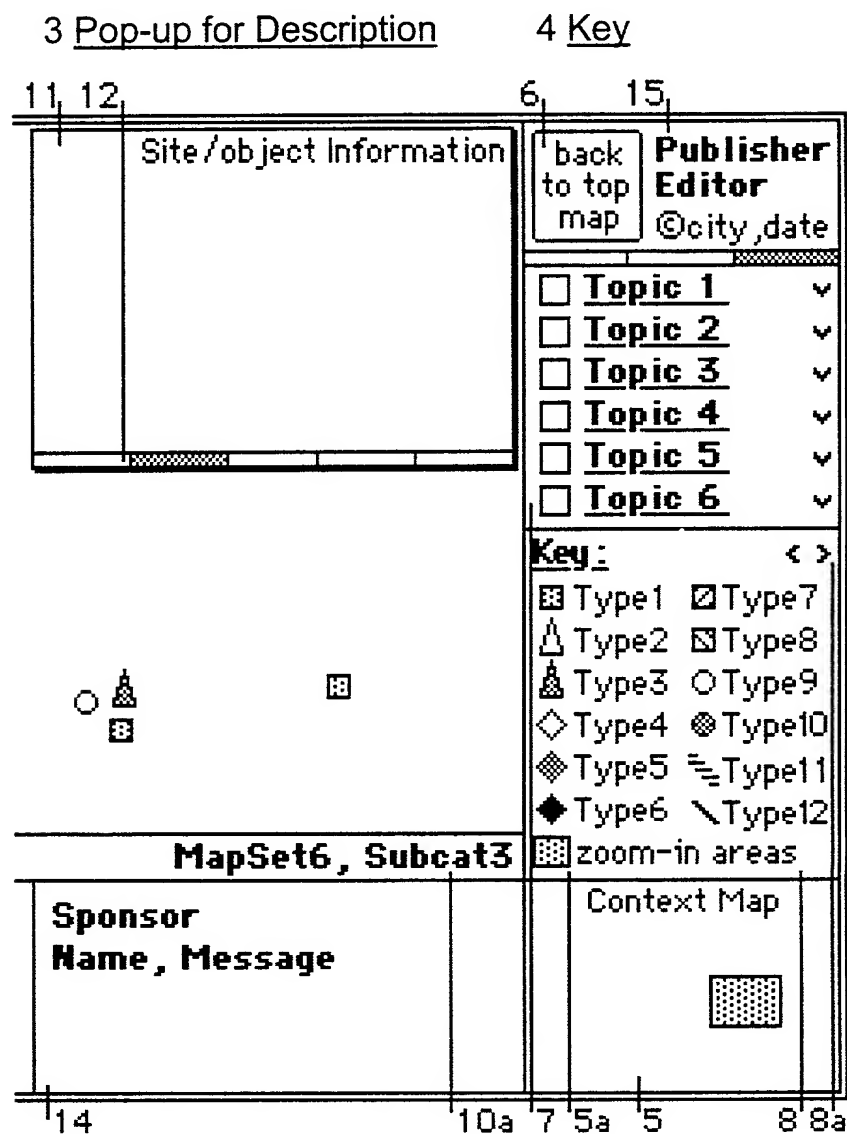
FIG. 5b Software Flow Diagram

FIG. 6a-A Alternative Presentations

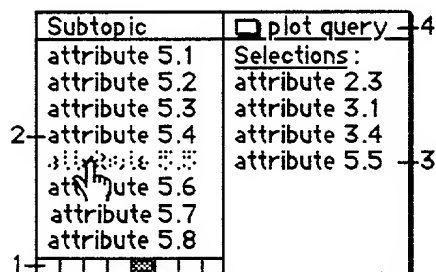
1 <u>Directory</u>			2 <u>Map</u>	
1	2	3	9	10
Catgry1	<del>Catgry2</del>	Catgry3	<b>Map Area</b> 	
Catgry4	Catgry5	Catgry6		
Subcat1	Subcat2	<del>Subcat3</del>		
<b>Catgry2/Subcat3</b>				
A MapSet1				
Aa MapSet2				
Ab MapSet3				
B MapSet4				
Ba MapSet5				
<u>Bb MapSet6</u>				
C MapSet7				
Ca MapSet8				
D MapSet9				
Da MapSet10				
Db MapSet11				
E MapSet12				
Ea MapSet13				
Fa MapSet14				
Fb MapSet15				
Fc MapSet16				
G MapSet17				
Gb MapSet18				
<b>A C E G J L N P S T V</b>			<b>Site/object name, description</b>	
			<b>Theme Set Title</b>	
			<u>special theme 1</u> <u>special theme 4</u>	
			<u>special theme 2</u> <u>special theme 5</u>	
			<u>special theme 3</u> <u>special theme 6</u>	
4			13	

# FIG. 6a-B Alternative Presentations



## FIG. 6b

### 5 Pop-up for Query



World	N.Amer.	S.Amer.
Europe	Africa	Asia/Au.
Country	State	Region

### Picture Your World™ with HyperMaps

**Metro Areas & Regions:**  
 Maine, U.S.A.  
 Central  
 Midcoast  
 Northern  
 Northern Coastline  
 Southern Coastline  
 Massachusetts, U.S.A.  
 Berkshires  
 Cape Cod, Islands  
 Central Massachusetts  
**Eastern Massachusetts**  
 Metro Boston  
 New Bedford, Fall River  
 North of Boston  
 South of Boston  
 Pioneer Valley  
 Springfield  
 Worcester  
 New Hampshire, U.S.A.  
 Manchester, Nashua

**Key:**  
 Δ Major Feature  
 ⊙ City    ○ Town  
 ■ Built Area  
 ▽ Water    ▨ Hills  
 ⚡ Transit  
 ✈ Terminal    ☒  
 □ Park/Preserve  
 \ Highway [40]

**Walking New England**      **Major Shoe Co.**

13/29

FIG. 6d Alternative Presentations

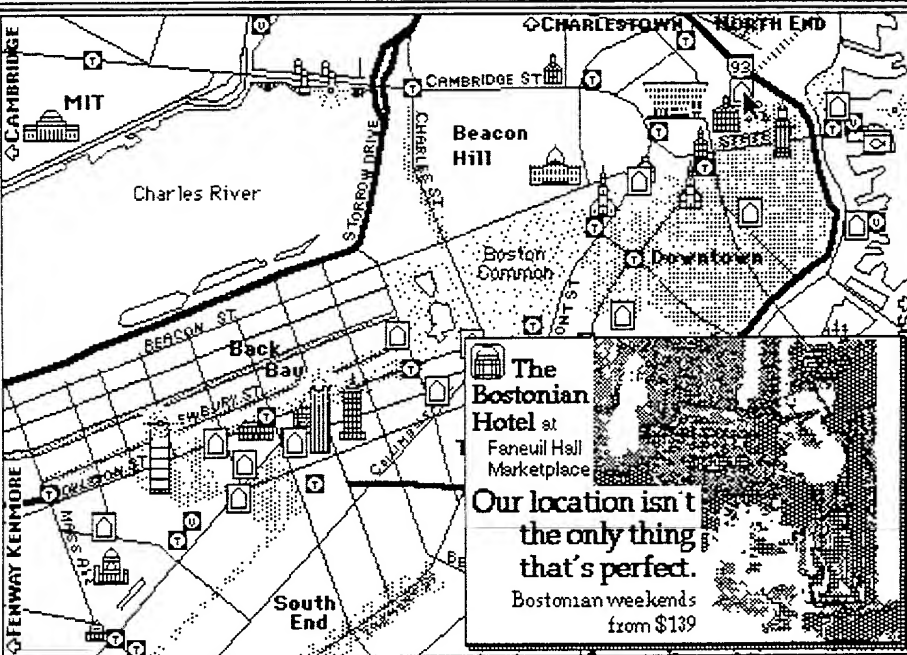
10007387-100007

File Edit View Go Help 11:28 AM

Netscape: HyperMaps Boston

Back Forward Reload Home Search Guide Images Print Security Stop

Go To <http://www.hypermaps.com/Boston>



**TheWebHub**

**HyperMap®**  
Atlas by  
© State/Various

**Leisure Business**

☐ Lodging  
☐ Eateries  
☐ Events ☐ Galleries  
☐ Movies ☐ Tourist  
☐ Performance  
☐ Sports ☐ Outdoor

**Lodging:**  
 Indoor Pool  
 Nonsmoking Rms  
 Child Care  
 Back Bay Hilton  
 Boston Harbor Hotel  
**Bostonian Hotel**  
 Colonnade Hotel  
 Copley Marriott  
 Copley Plaza Hotel  
 Copley Square Hotel

**The Bostonian Hotel** at  
 Faneuil Hall Marketplace  
 Our location isn't  
 the only thing  
 that's perfect.  
 Bostonian weekends  
 from \$139

labels Bostonian Hotel: North St, Boston 02109 (617) 523-3600 **Boston, Mass.**

**City Scenes -- Boston** brought to you by: **WorldCamera**

scenic views people watching ☐ historic districts  
 public art grand spaces ☐ trolley-boat tours

The "Pocket Shot" online special sale!

HyperMap  
Change MapView

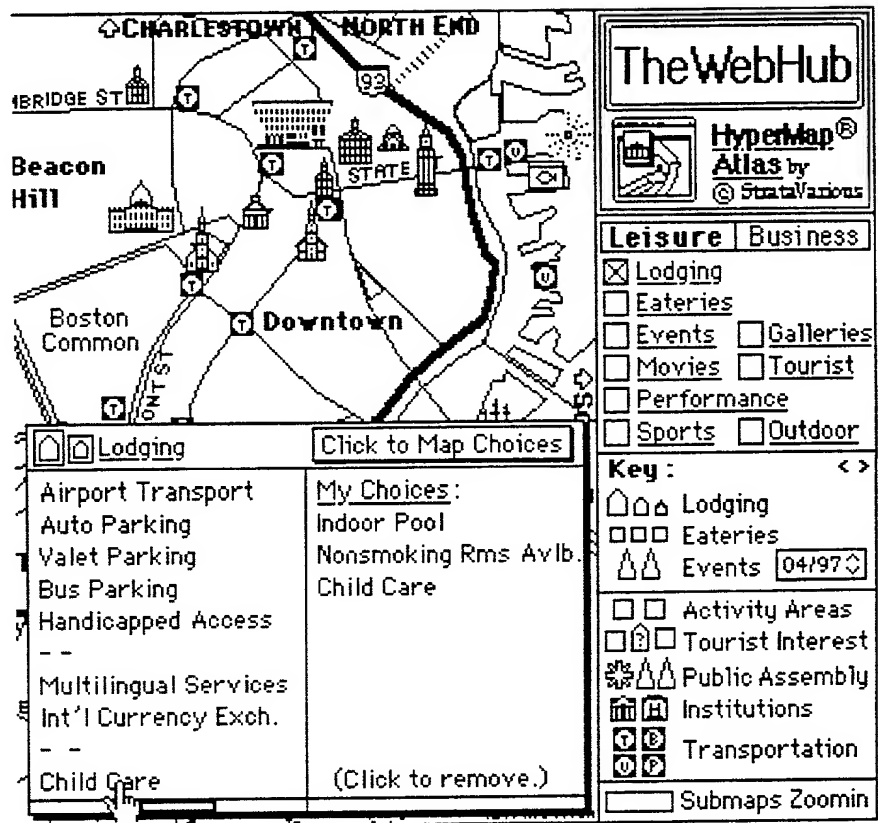
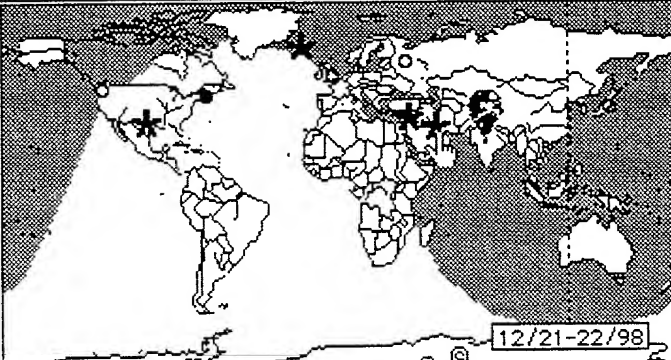
FIG. 6e Alternative Presentations

FIG. 7abc A Seamless Stream of Display Screens

**Picture Your World™ with HyperMaps**

World	N. Amer.	S. Amer.
Europe	Africa	Asia/Au.
Country	State	Region

**World Maps:**  
World  
Atlantic-centered  
Pacific-centered  
North America  
Central America  
South America  
Northern Southern  
Europe  
Africa  
Northern Southern  
Asia  
Northwestern Asia  
Southwestern Asia  
Northeastern Asia  
Central East Asia  
Southeast Asia  
Australia  
Pacific Ocean  
Antarctica  
Arctic Circle  
English Español Français



HyperMap® by State/Variations How-to

Seattle	Boston	London	Moscow	Tokyo
07:26 AM	10:26 AM	03:26 PM	06:26 PM	12:26 AM

U.S. Battle Groups Repositioning between Gulf & Mediterranean

**Watch Specialists** *The Saturn*  
water-resistant to 100m. (300')  
1/5th sec. chronograph calibration  
30 minute and 12 hour totalizers

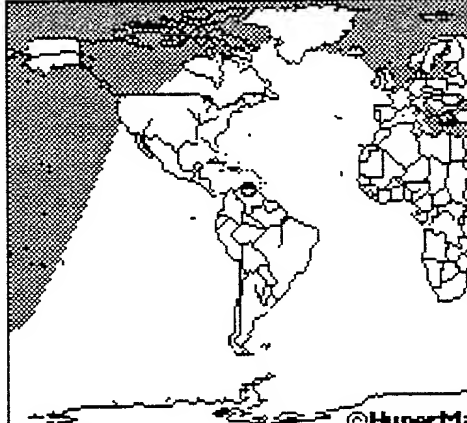
12/21-22/98

**HyperMap® Atlas by State/Variations**

**Current Events**  
Environment  
People of the World  
History/Geography  
Metro Areas/Cities  
Travel Planning

**Current Events**  
Time/Sun Shadow  
Weather  
Geography & News  
Government  
Science/Nature  
Business  
People

7a



Stockholm  
Warsaw  
London  
Paris  
Rome  
Berlin  
Istanbul  
Athens  
Madrid  
Lisbon  
Cairo  
Dakar  
Lagos  
Cape Town

HyperMap® by State/Variations How-to

Juneau	Caracas	Athens	Nairobi	Sydney
06:30 AM	11:30 AM	05:30 PM	06:30 PM	01:30 AM

21-22/98

7b

**HyperMap® Atlas by State/Variations**


**Current Events**  
Environment  
People of the World  
History/Geography  
Metro Areas/Cities  
Travel Planning

**Travel Planning**  
Transportation  
Travel Packages  
Cruises  
Adventure  
Tours  
Events  
Travel Guides

7c

FIG. 7de A Seamless Stream of Display Screens

Country	State	Region
<b>United States of America:</b>		
Alabama		
Alaska		
Arizona		
Arkansas		
California		
Colorado		
Connecticut		
Delaware		
District of Columbia		
Florida		
Georgia		
<b>Hawaii</b>		
Idaho		
Illinois		
Indiana		
Iowa		
Kansas		
Kentucky		
Louisiana		
Maine		



**HyperMap®**  
 Atlas by  
 © StateVarians

Canada Caribbean Europe Asia  
 U.S.A. S. America Africa S. Pacific

Sunset Beach Resort, Kawaihae, Hawaii -- air, hotel


Destination	Depart	Nights	Was	Now	Save	Info >
Wailuku	04/27/99	7	\$949.00	\$699.00	\$250.00	<a href="#">View</a>
Wailuku	05/04/99	7	\$949.00	\$699.00	\$250.00	<a href="#">View</a>
Kawaihae	04/27/99	5	\$749.00	\$499.00	\$250.00	<a href="#">View</a>
Kawaihae	05/04/99	5	\$749.00	\$499.00	\$250.00	<a href="#">View</a>

**HyperMap®**  
 Atlas by  
 © StateVarians

Current Events  
 Environment  
 People of the World  
 History/Geography  
 Metro Areas/Cities  
**Travel Planning**

< **TravelCo** >  
 Resort Specials  
 Origin: San Diego

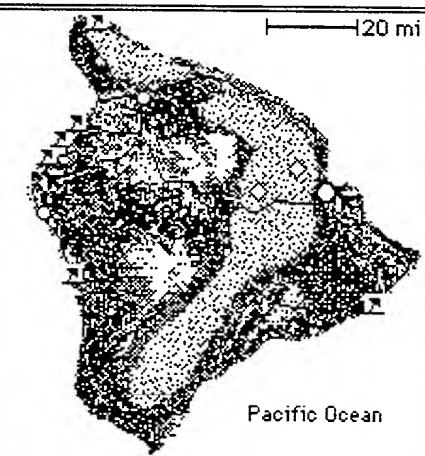
Week: 4/24/99



A C E G J L N P S W >

7d

World	N. Amer.	S. Amer.
Europe	Africa	Asia/Au.
Country	State	Region
<b>United States of America:</b>		
Alabama		
Alaska		
Arizona		
Arkansas		
California		
Colorado		
Connecticut		
Delaware		
District of Columbia		
Florida		
Georgia		
<b>Hawaii</b>		
Idaho		
Illinois		
Indiana		
Iowa		
Kansas		
Kentucky		
Louisiana		
Maine		



**HyperMap®**  
 Atlas by  
 © StateVarians

**Picture Your World™ with HyperMaps**

20 mi

Pacific Ocean

Akaka Falls

Snow Field  
Lava Slope  
Coffee

Rain Forest  
Desert

Beach

Ecosystems of Hawaii's Big Island

**HyperMap®**  
 Atlas by  
 © StateVarians

Current Events  
 Environment  
 People of the World  
 History/Geography  
 Metro Areas/Cities  
**Travel Planning**

Key: < >

- ☐ Park/Preserve
- ☐ Historic Site
- ☐ Beach
- ☐ Golf
- ☐ Natural Feature
- ☐ City/Town
- ☐ Built Area
- ☐ Highway
- ☐ Port

Rain Forest  
 420' Akaka Falls  
 jungle flowers, vines,  
 palms, banana plants,  
 bamboo, banyan trees

Walking Shoes  
 for every  
 Environment  
 Order Online

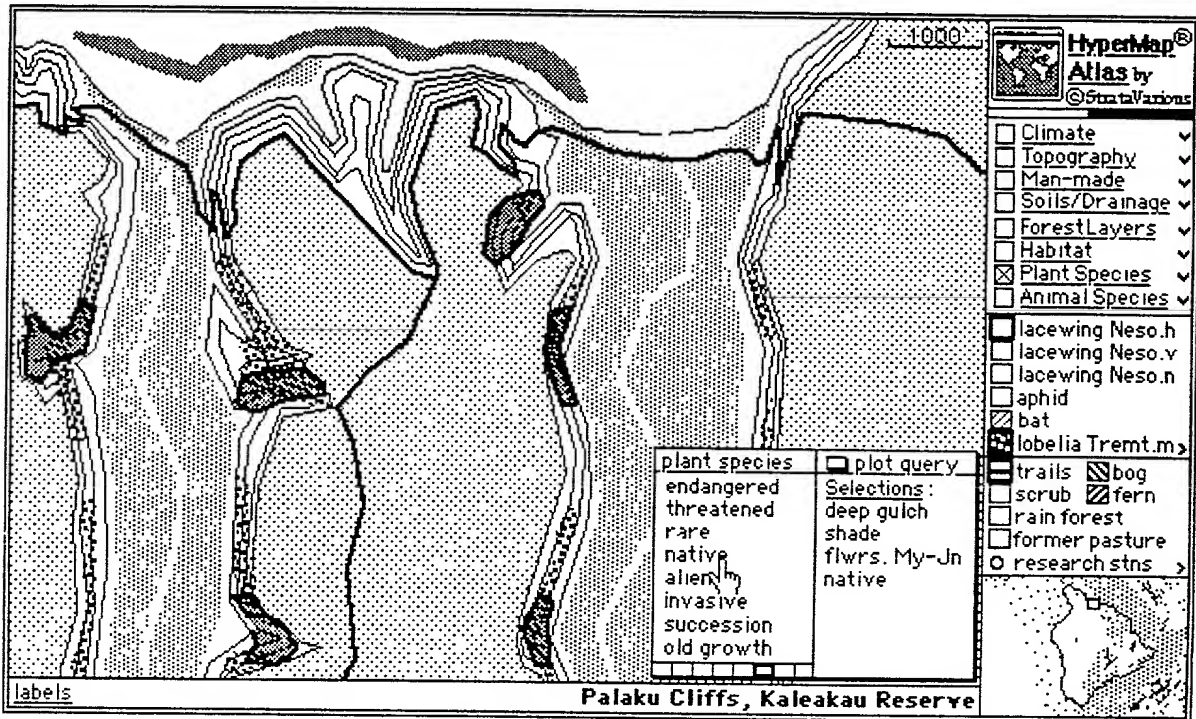
Major Shoe Co.

A C E G J L N P S W

7e



FIG. 7fg A Seamless Stream of Display Screens



7f

7g

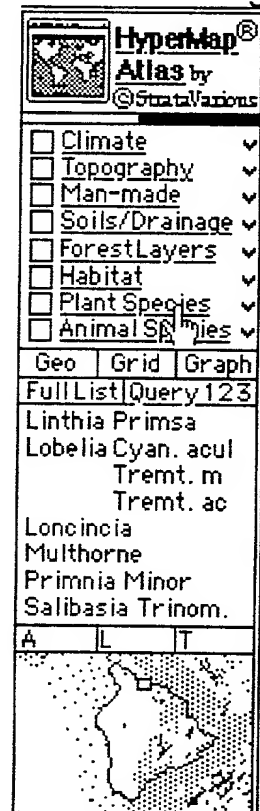
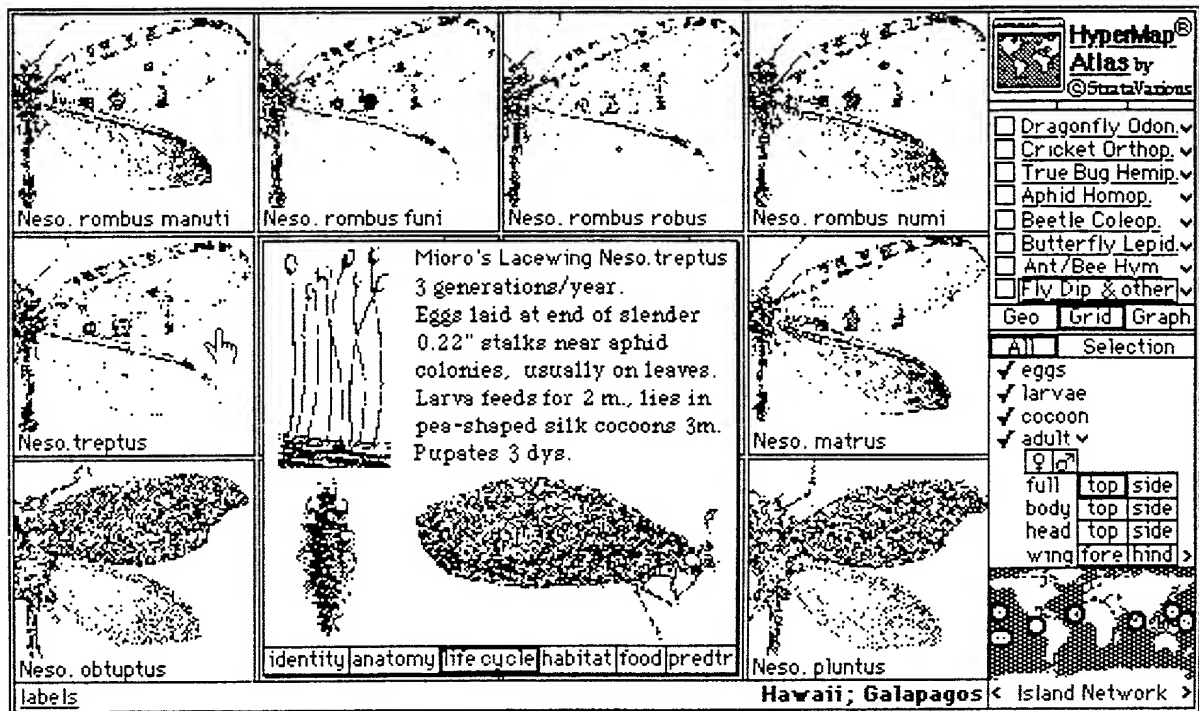
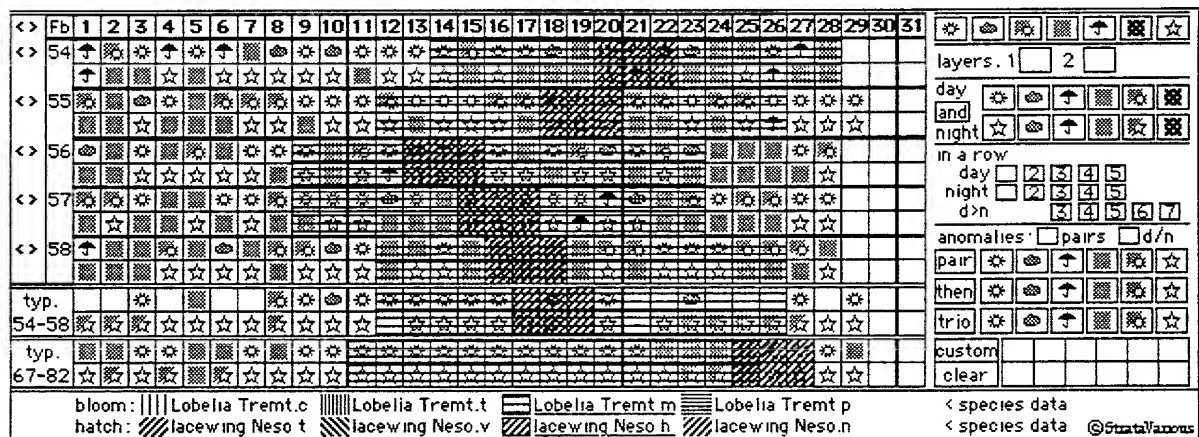


FIG. 7hi A Seamless Stream of Display Screens



7h Interactive Catalog



7i Interactive Chart

FIG. 8 Layered Indexes and Keys  
with Key Extenders, Retrieval Bars

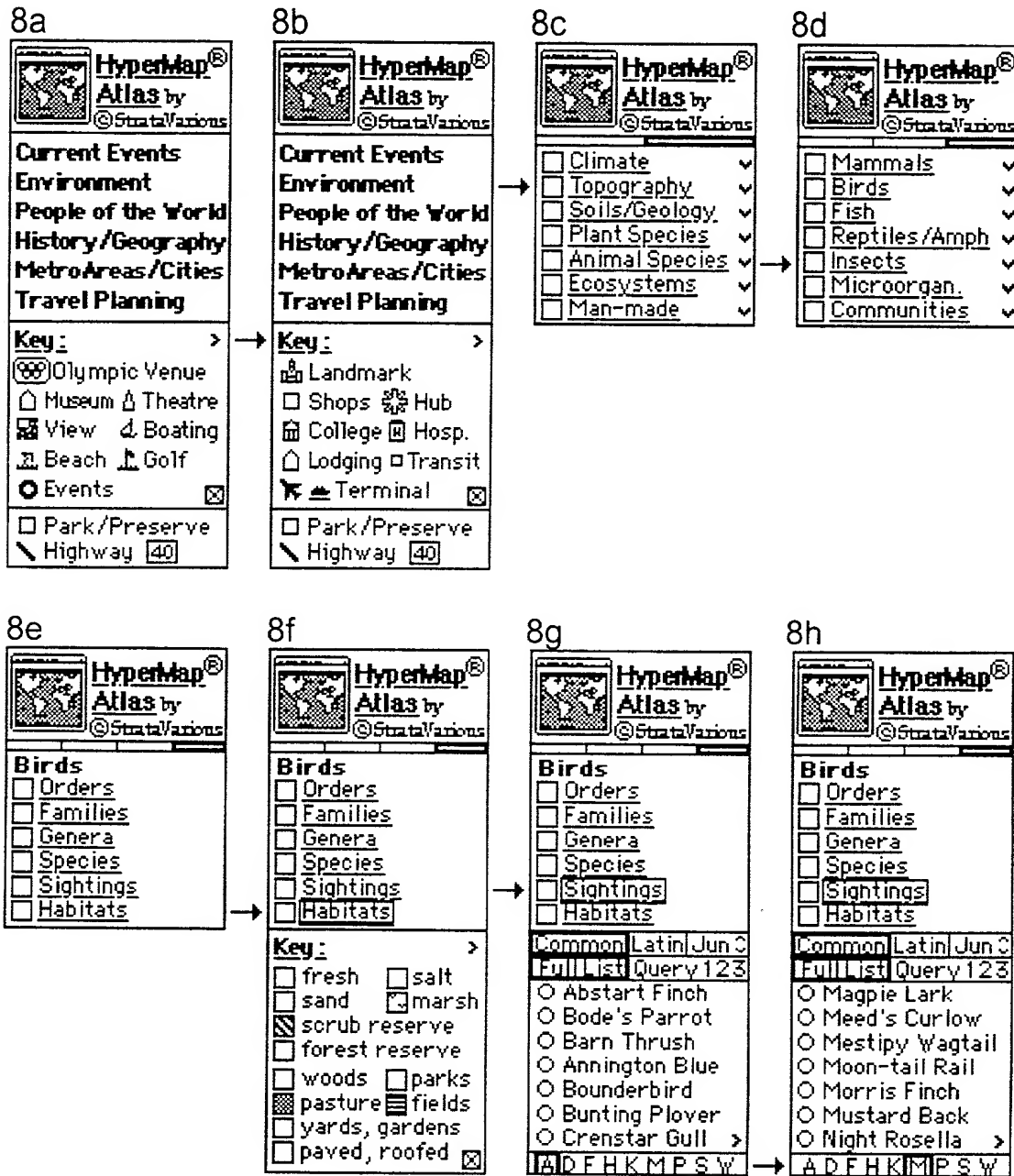
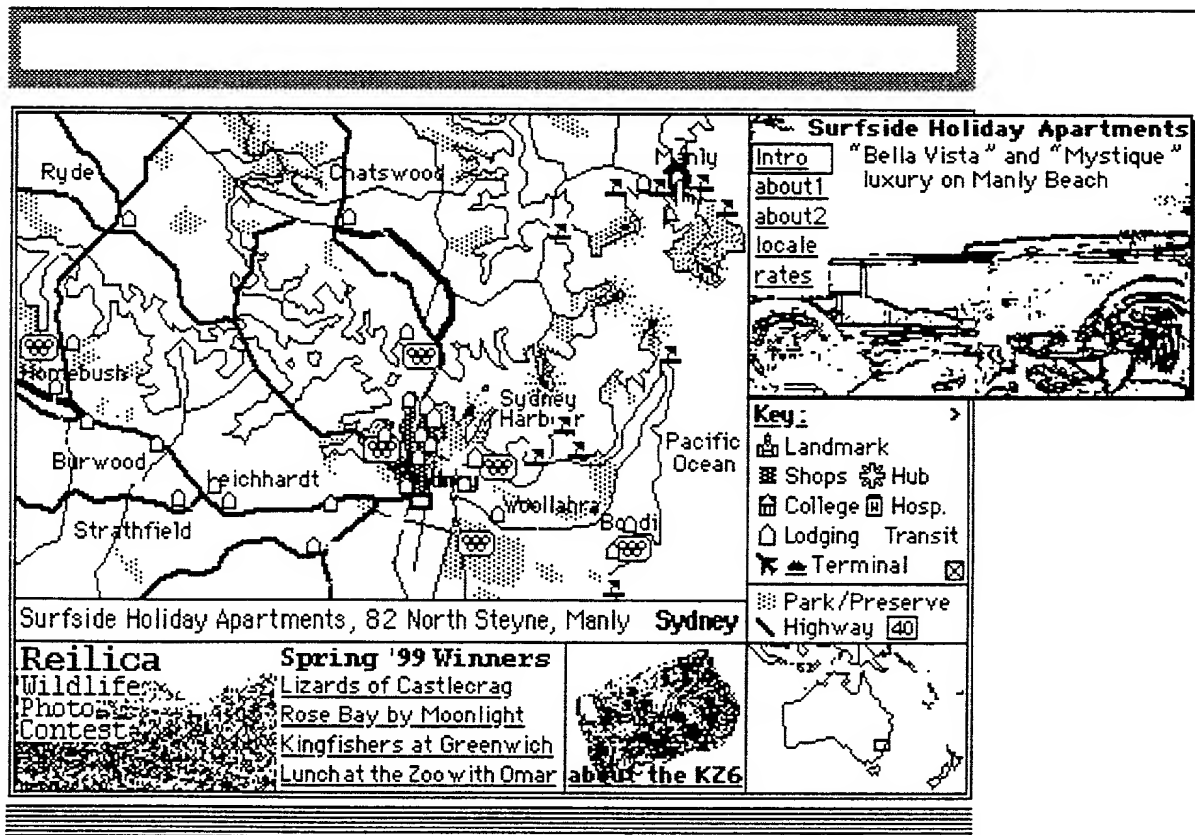


FIG. 9a-A Integrated Informational Advertising

Pop-up ad integrated with map content as pop-up storybook.

## FIG. 9a-B Integrated Informational Advertising

**Surfside Holiday Apartments**


**Intro** "Bella Vista" and "Mystique"  
luxury on Manly Beach

**about1**

**about2**

**locale**

**rates**



2,3 bedrooms,  
penthouses  
fully furnished  
and equipped.

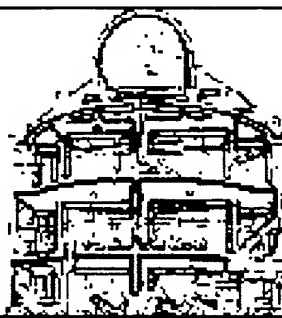
**Intro**

**about1**

**about2**

**locale**

**rates**



full security,  
marble bathrooms,  
granite kitchens,  
Bosch appliances.

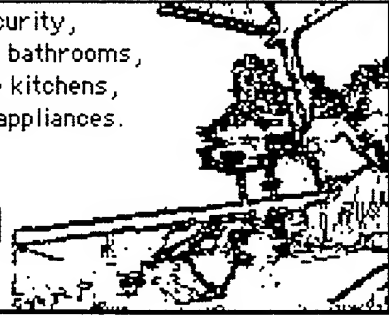
**Intro**

**about1**

**about2**

**locale**

**rates**



Manly lively water-side village

**Intro**

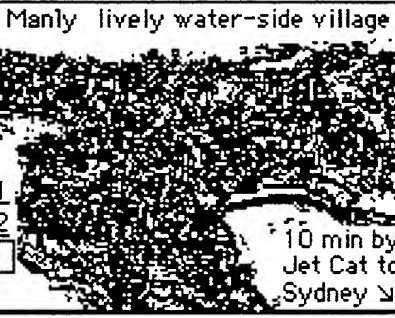
**about1**

**about2**

**locale**

**rates**

10 min by  
Jet Cat to  
Sydney



**MAY SPECIALS**

**Intro**


**about1**

**about2**

**locale**

**rates**

**resv.**



2 flr penths	\$15-1750/wk	\$300+/ngt
2 br apts	\$1190	\$230+
3 br apts	\$1365	\$265

**Surfside Holiday Apartments**

**Intro** "Bella Vista" and "Mystique"

**about1** 05/99 from: to:

**about2** ☐ 2 br. ☐ 3 br. ☐ pent.

**locale**

**rates** name: \_\_\_\_\_

**resv.** email: \_\_\_\_\_

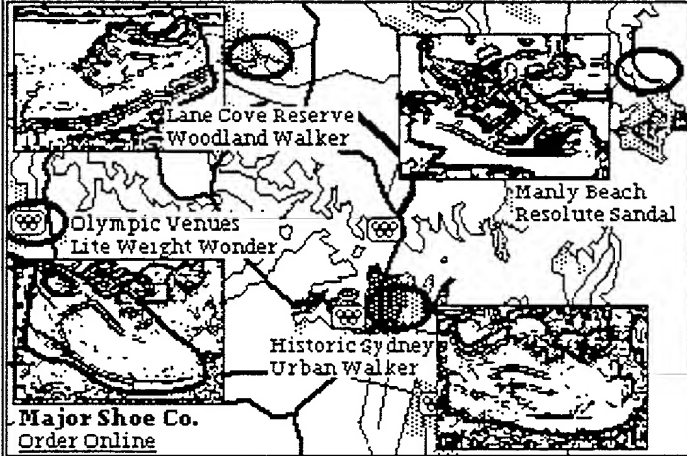
**submit** credit #: \_\_\_\_\_

1-6 Pop-up ad integrated with map content as pop-up storybook.

FIG. 9b Integrated Informational Advertising

**Website Name**  
Your Online Guide to xyz

Website Navigator:



**HyperMap® Atlas** by ©StataVarious

**Current Events**  
**Environment**  
**People of the World**  
**History/Geography**  
**Metro Areas/Cities**  
**Travel Planning**

**Key:** >  
 ○ Olympic Venue  
 □ Museum △ Theatre  
 ▣ View ▽ Boating  
 ▸ Beach ▴ Golf  
 ● Events 05/99 ☒  
 ▨ Park/Preserve  
 ▩ Highway 40

**Labels**

**Sydney**










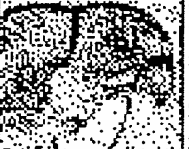

1) The City, Museums, Opera House  
 2) Darling Harbourside Festival  
 3) Harbour Bridge and North Sydney  
 4) Taronga Zoo and National Park

Walking Shoes for every Environment  
[Order Online](#)






**Walking Sydney** 12 Walks: 1-4 5-8 9-12 **Major Shoe Co.**

Product offerings integrated with map content

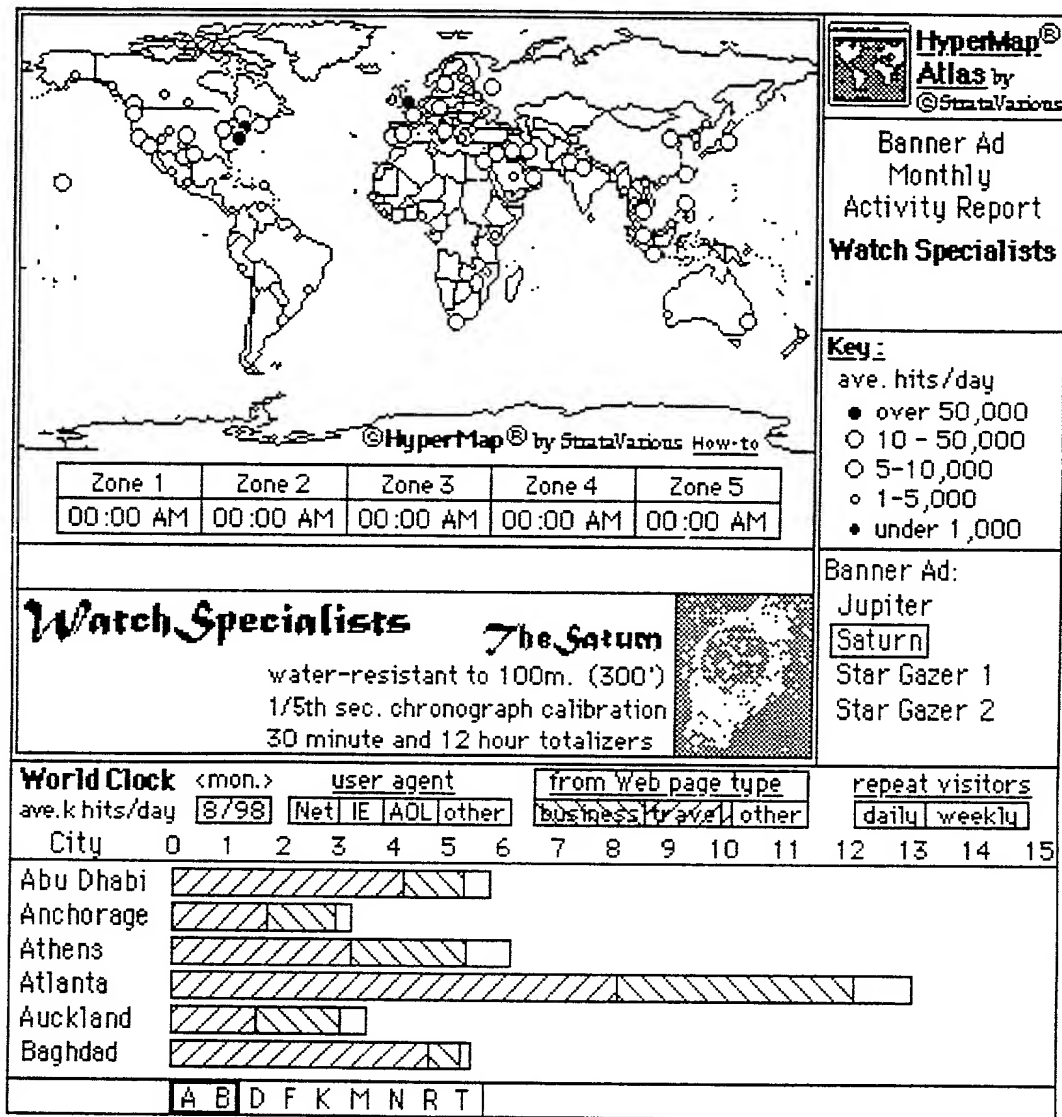
FIG. 9c Integrated Informational Advertising

				 <b>HyperMap®</b> <b>Atlas by</b> <small>© Statavision</small>
<b>Ultra</b>	<b>FLX</b>	<b>Voyage</b>	<b>Max5</b>	
7 X 24 10 X 28 8 X 42 10 X 42	7 X 26 10 X 28 8 X 36 10 X 40	8 X 32 10 X 32 8 X 42 10 X 42	7 X 24 10 X 28 8 X 42 10 X 42	
				
<b>Jana</b>	<b>Mars</b>	<b>Penn</b>	<b>Stran</b>	<b>Birds</b> <input type="checkbox"/> Orders <input type="checkbox"/> Families <input type="checkbox"/> Genera <input type="checkbox"/> Species <input type="checkbox"/> Sightings <input type="checkbox"/> Habitats  Common Latin Jun 3 Full List Query 123 <input type="checkbox"/> Magpie Lark <input type="checkbox"/> Meed's Curlew <input type="checkbox"/> Mestipy Wagtail <input type="checkbox"/> Moon-tail Rail <input type="checkbox"/> Morris Finch <input type="checkbox"/> Mustard Back <input type="checkbox"/> Night Rosella
7 X 24 10 X 28 8 X 36 10 X 40	7 X 26 10 X 28 8 X 40 10 X 42	7 X 28 10 X 28 8 X 42 10 X 42	8 X 32 10 X 28 8 X 40 10 X 42	Mars 27.0oz 228' / 3K' 16mm near: 9' \$369 <a href="#">Order Now</a> <b>Sydney</b>  <b>Bird Watch Calendar</b> sponsored by <b>Zimmex Optics</b> June 20 July 4 July 18 June 27 July 11 July 25 

1 Product catalog in slotted map.

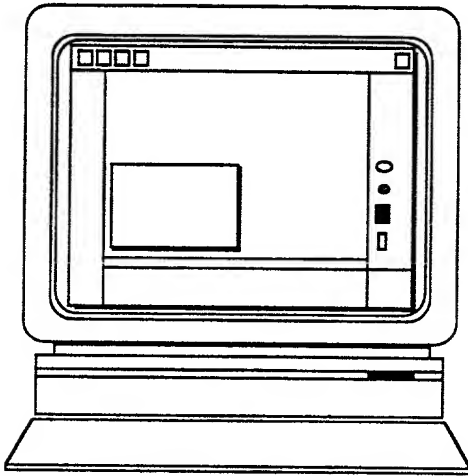
		
<b>Ultra</b>	<b>FLX</b>	
7 X 24 10 X 28 8 X 42 10 X 42	7 X 26 10 X 28 8 X 36 10 X 40	
		
<b>Jana</b>	<b>Mars</b>	slim roof-prism <b>Primex Mars</b> series superb ergonomics with remarkable light gathering and razor-sharp images for the demanding optical connoisseur  <a href="#">Overview</a> <a href="#">Specs</a> <a href="#">Reviews</a> <a href="#">Order</a>

2 Product catalog in slotted map with pop-up.

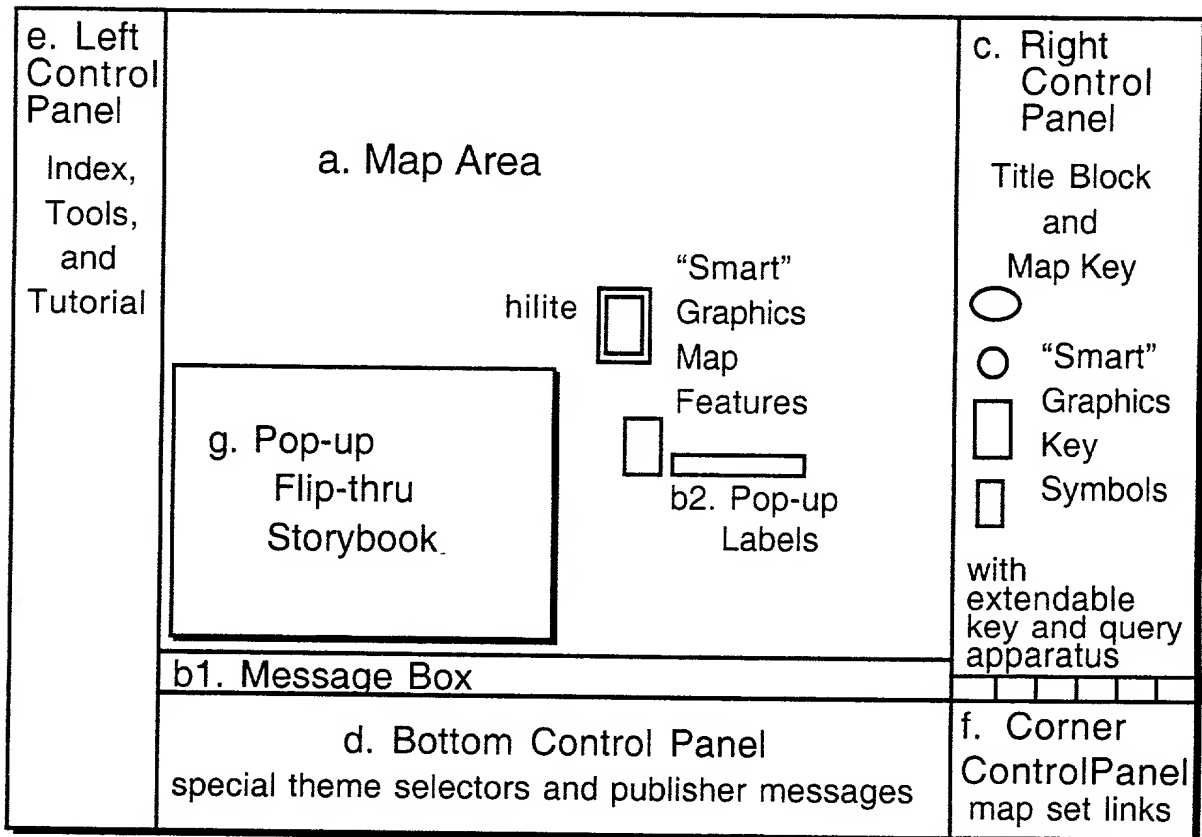
FIG. 9d Integrated Informational Advertising

Interactive map-format user-activity report



FIG. 10a Graphical User-Interface (GUI) Diagram

1 All Framework components fully-visible on the screen.

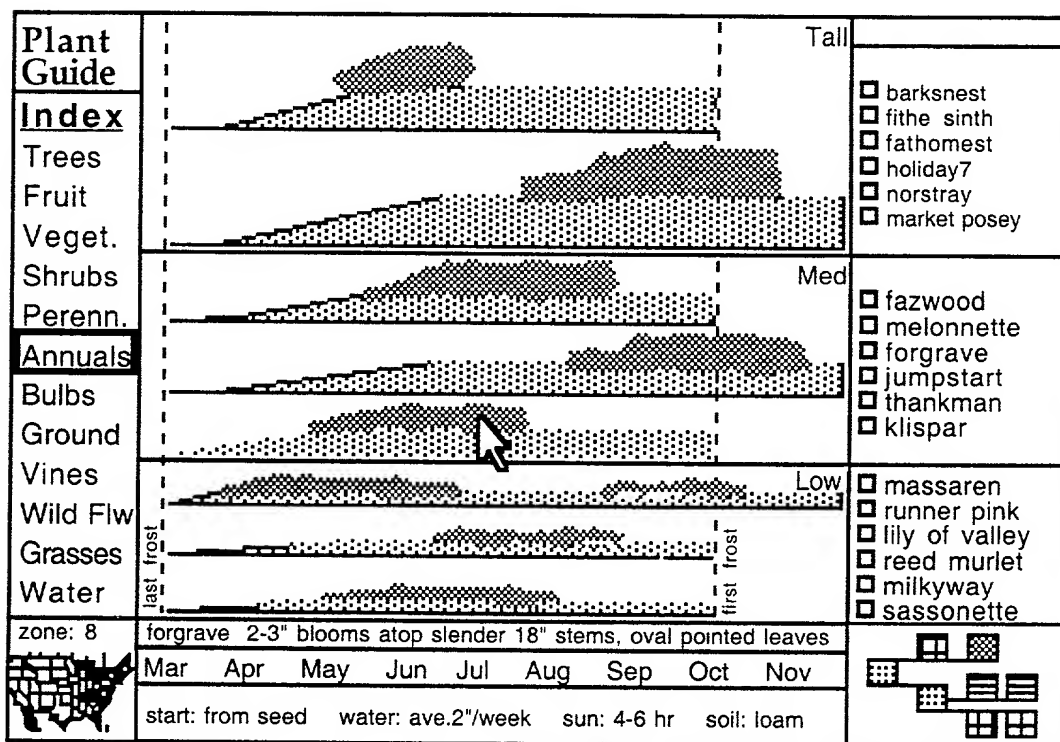


2 GUI Framework Components

FIG. 10b Graphical User-Interface (GUI) Diagram

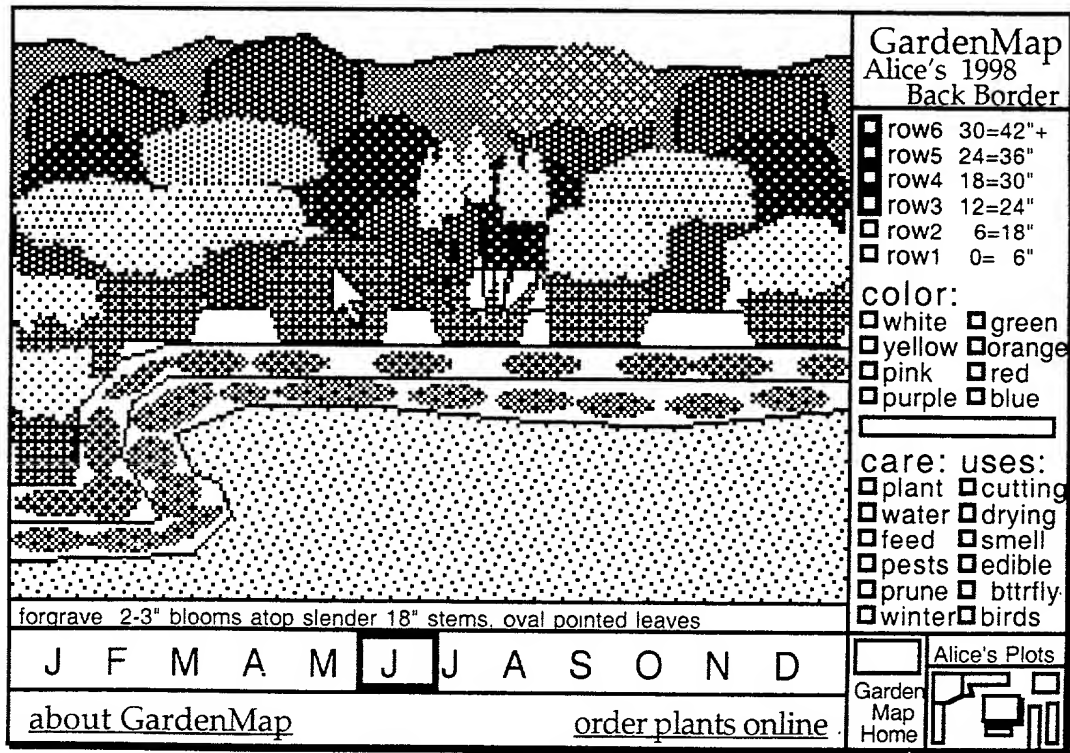
name	sun	soil	height	spacing	water	feed	pests	pH
pan1	full	1	24-30"	12"	2	a,b	a,d	7.
pan2	par	2	24-30"	12"	2	b	c,d	6.
pan3	par	3	24-36"	18"	1	a,c	c	6.
pos1	full	1	12-18"	8-12"	1	c	a,c	6.
pos2	sh	1	18-24"	18"	2	a	b,d	6.
pos3	full	2	12-18"	8-12"	1	a,b	b,d	5.
pos4	sh	2	24-36"	12"	3	a,b	b,d	6.
rill1	par	2	6-12"	10"	2	a,c	a,d	8.
rill2	full	2	6-12"	10"	1	c	a,c	8.
rill3	full	2	12-18"	12"	2	a,b	b	8.
rill4	par	1	6-12"	12"	2	a,b	b,d	8.

3 Portion of Topical Database

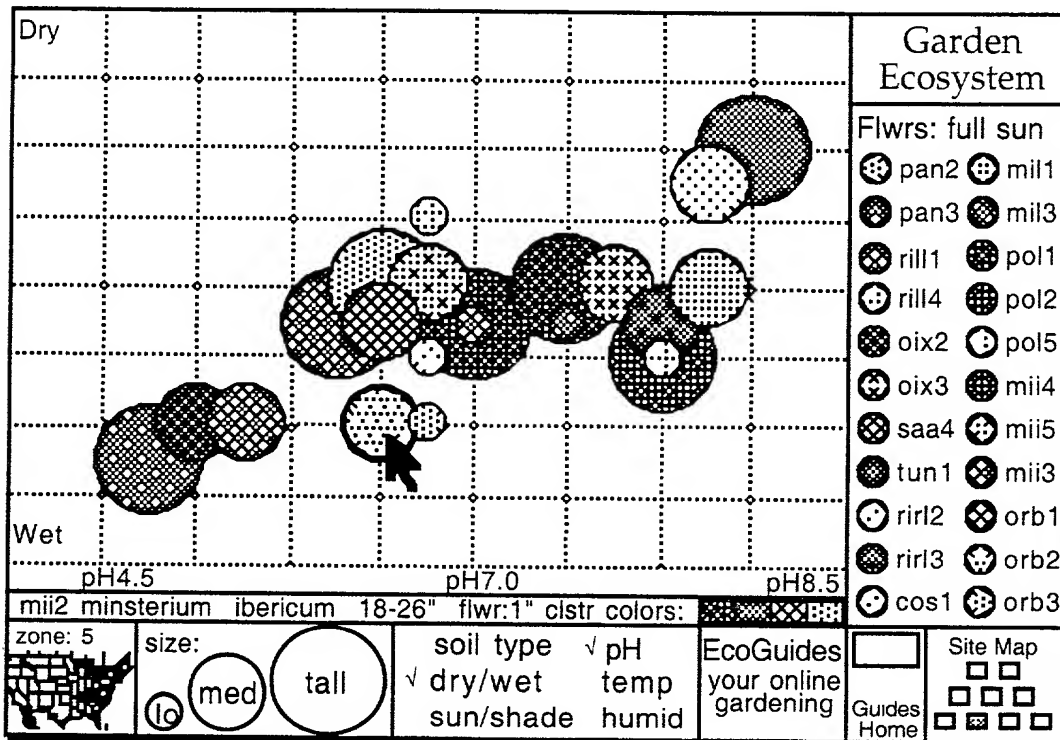


4 Slotted Map – Horizontal Timeline

FIG. 10b Graphical User-Interface (GUI) Diagram

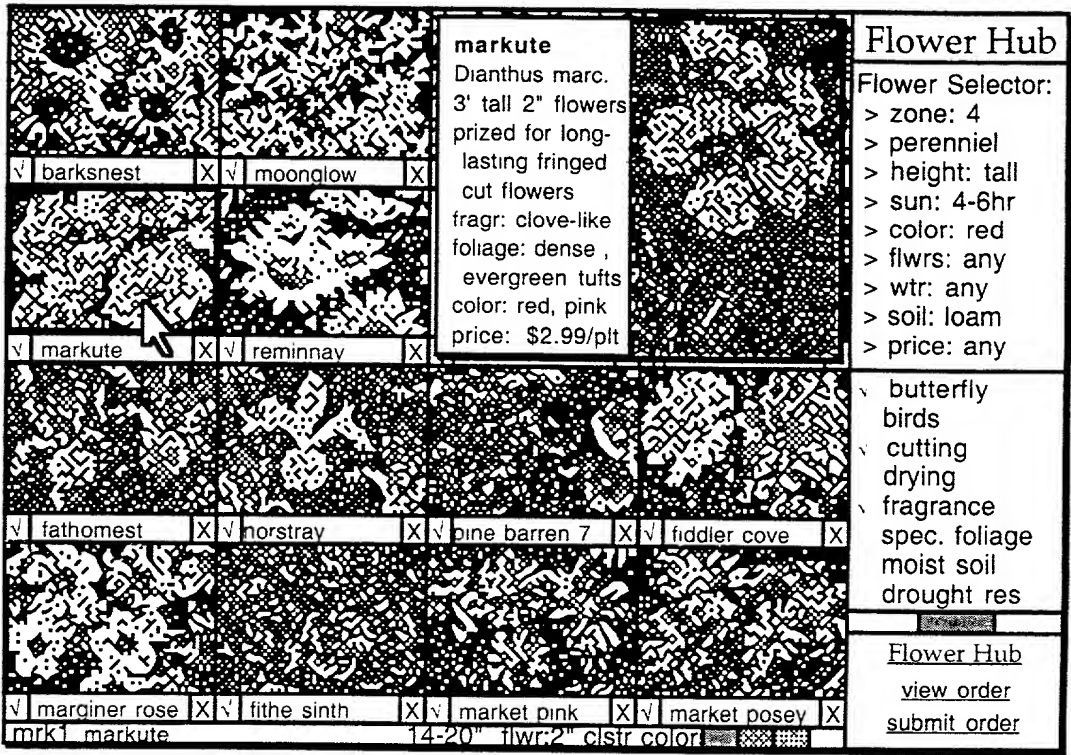


5 Layered Map – Garden Rows

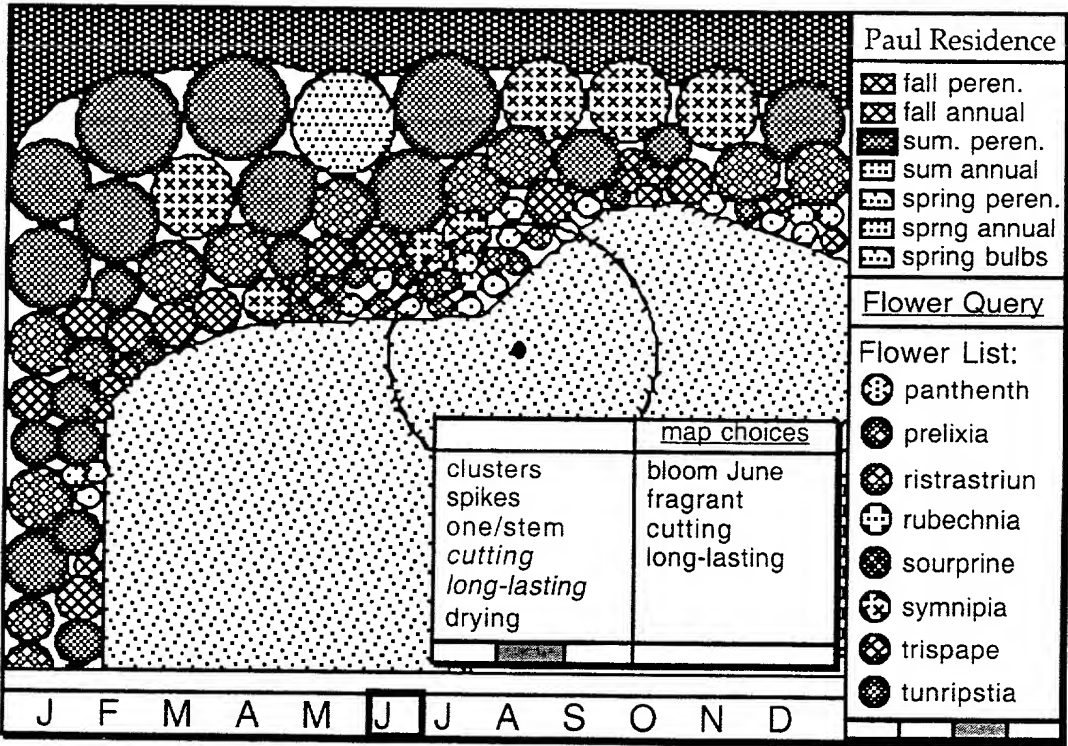


6 Slotted and Layered Graphic Map

FIG. 10b Graphical User-Interface (GUI) Diagram



7 Slotted Map with gridded matrix and pop-up storybook



8 Layered and Slotted Map with pop-up query box

FIG. 11 Three-Dimensional Model as an Interactive Map